

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kim, et al.

Docket No: TI-30699

Serial No: TBD

Examiner: TBD

Filed: November 21, 2001

Art Unit: TBD

For: FIXED DECISION DELAY DETECTORS FOR TIMING RECOVERY
LOOP

jc997 U.S. PTO

09/991595



11/21/01

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97 & 1.98

Express Mail No. EK541379374US

Assistant Commissioner for Patents

Washington, DC 20231

Dear Sir:

Applicants wish to bring to the attention of the Patent and Trademark Office the information noted on the enclosed PTO-1449. A copy of the noted references are enclosed herewith.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Texas Instruments Incorporated, Account No. 20-0668, and please credit any excess fees to such Deposit Account. Any further necessary extension of time is hereby requested.

Respectfully submitted,

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1PTO/SB/08A (08-00)

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known		
				Application Number	TBD	
				Filing Date	November 21, 2001	
				First Named Inventor	Kim	
				Group Art Unit	TBD	
Examiner Name	TBD					
Attorney Docket No.	30699					
Sheet	1	of	2			

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U.S. PATENT DOCUMENTS						
Exam. Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5,243,605		Lekmine et al.	09/07/1993	
	AB	5,278,703		Rub et al.	01/11/1994	
	AC	5,321,559		Nguyen et al.	06/14/1994	
	AD	5,485,472		Fredrickson	01/16/1996	
	AE	5,731,768		Tsang	03/24/1998	
	AF	5,745,315		Aoyama	04/28/1998	
	AG	5,571,127		Reed et al.	06/23/1998	
	AH	5,936,558		Shafiee et al.	08/10/1999	
	AI					
	AJ					

FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number ⁴	Kind Code ² (if known)				
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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				First Named Inventor	Kim
				Group Art Unit	TBD
				Examiner Name	TBD
Sheet	2	of	3	Attorney Docket No.	30699

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	CA	F. DOLVIO et al., "Fast Timing Recovery for Partial-Response Signaling Systems", IEEE, 1989, pgs. 0573-0577	
	CB	JAKEYUN MOON et al., "Performance Comparison of Detection Methods in Magnetic Recording", IEEE Transactions on Magnetics, Vol. 26, No. 6, November 1990, pgs. 3155-3172	
	CC	HAMID SHAFIEE et al., "Low complexity Viterbi Detection for a Family of Partial Response Systems", IEEE, 1992, pgs. 2892-2894	
	CD	YOUNGGYUN KIM et al., "Delay-Constrained Asymptotically Optimal Detection using Signal-Space Partitioning", IEEE, 1998, pgs. 673-677	
	CE	JAN W. M. BERGMANS et al., "On the Performance of Data Receivers with a Restricted Detection Delay", IEEE Transactions on Communications, Vol. 42, No. 6, June 1994, pgs. 2315-2324	
	CF	TAKUSHI NISHIYA et al., "Turbo-EEPRML: An EEPR4 Channel with an Error-Correcting Post-Processor Designed for 16/17 Rate Quasi-MTR Code", IEEE, 1998, pgs. 2706-2711	
	CG		
	CH		
	CI		
	CJ		

Examiner Signature		Date Considered	
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